REMARKS

The Restriction Requirement that was mailed on August 19, 2002, has been received and reviewed.

Pursuant to the Restriction Requirement, an election is hereby made, without traverse, to prosecute the invention of Group 2, including claims 21-25, which are drawn to an assay system for analysis of a biological liquid sample.

As claims 1-20 will be withdrawn from further consideration in the above-referenced application, each of these claims has been canceled without prejudice or disclaimer.

Additionally, new claims 26-44 have been added. It is respectfully submitted that none of new claims 26-44 introduces new matter into the above-referenced application.

An early examination of claims 21-44 is respectfully solicited, as is a favorable conclusion as to the allowability of each of these claims.

Respectfully submitted,

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Date: November 19, 2002

Enclosure: Marked-Up Version to Show Changes Made

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MARKED-UP VERSION TO SHOW CHANGES MADE

IN THE CLAIMS:

Please amend the claims as follows:

21. (Amended) An assay system for analyzing a biological liquid sample, comprising:

a light source;

a waveguide having at least one planar surface having capture molecules for at least one indicator of coronary artery disease associated therewith;

a first member associated in liquid tight attachment with said at least one planar surface of said waveguide, wherein said first member, in conjunction with said waveguide, defines at least one reaction area for containing the biological liquid sample while said at least one planar surface of said waveguide defines a floor or ceiling of said at least one reaction area;

a light detector for detecting evanescent light passed through said planar surface and generating an intensity signal indicating an intensity of said detected light; and

a controller for monitoring said intensity signal and correlating said intensity signal to a concentration of said [analyte of interest] <u>at least one indicator of coronary artery disease</u> in the liquid biological sample.